

W. M. BROOKS.  
SELF LOCKING CAR SEAL.  
APPLICATION FILED OCT. 29, 1915.

1,166,657.

Patented Jan. 4, 1916.

Fig. 1.

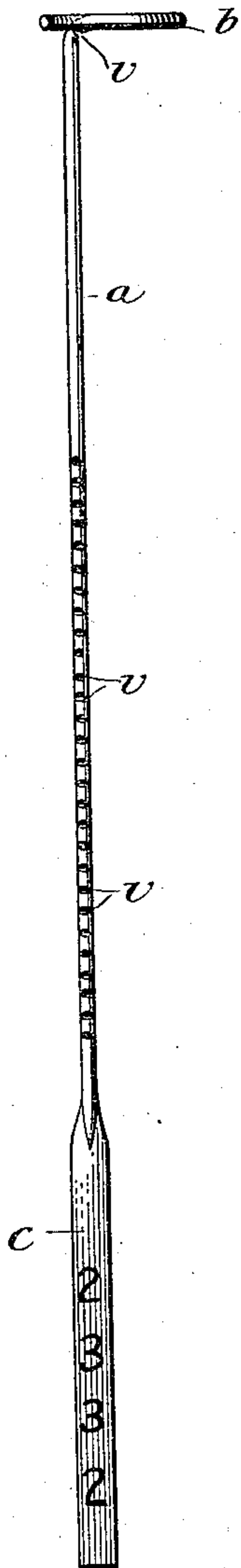


Fig. 2.

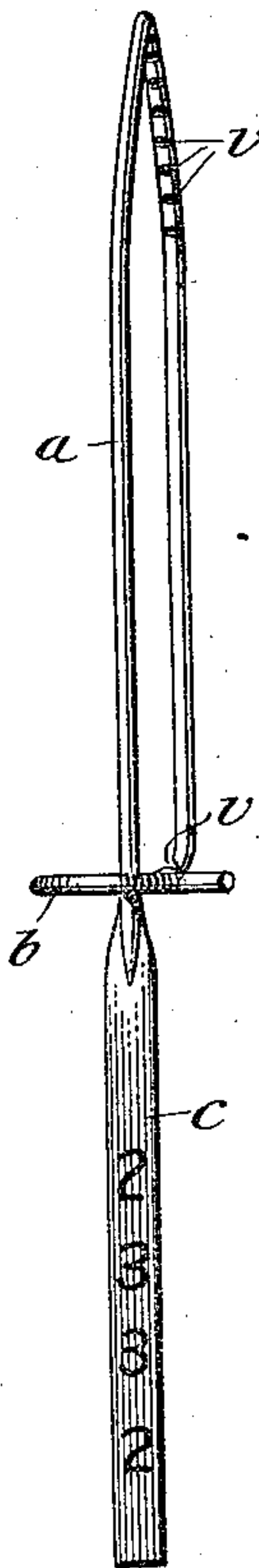


Fig. 3.

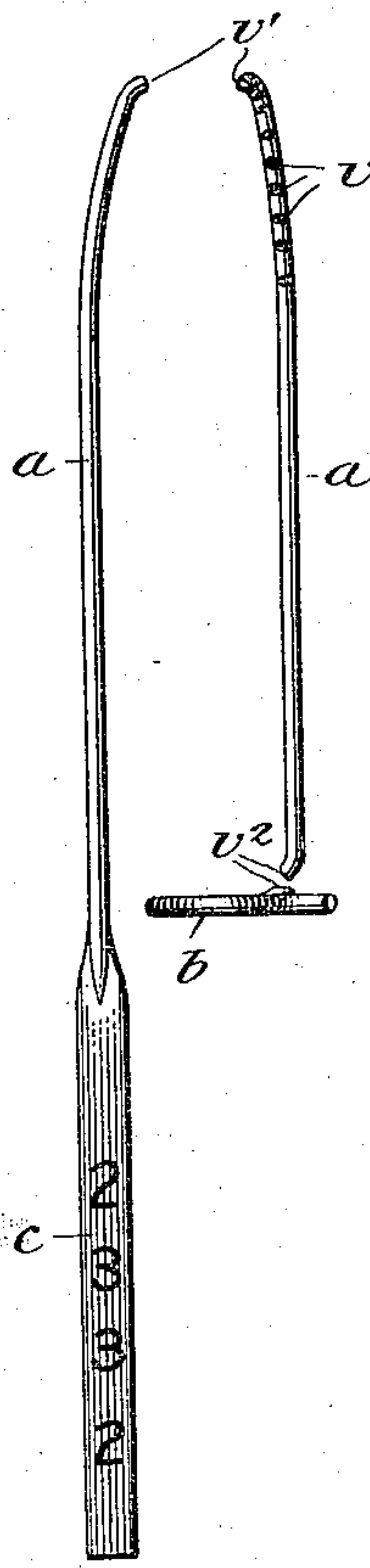


Fig. 4.

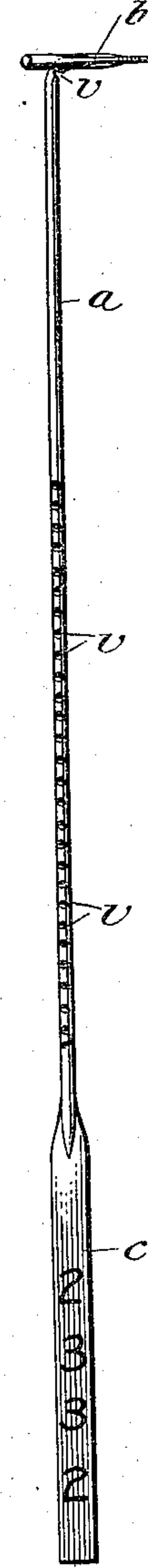


Fig. 5.

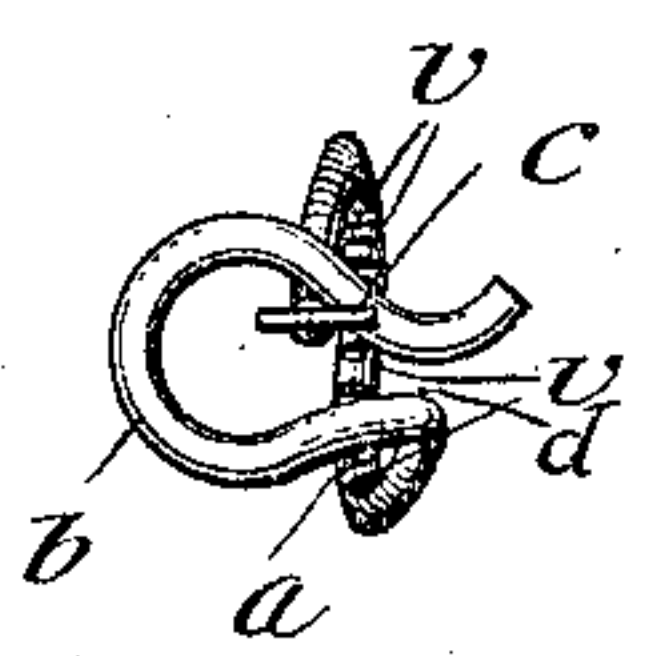
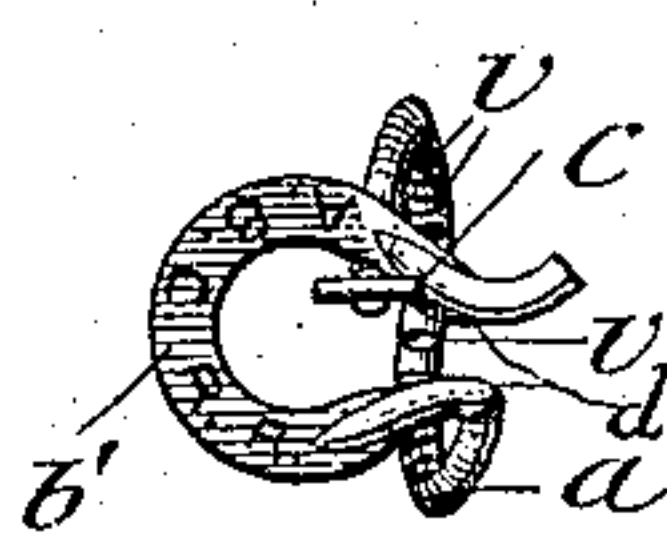


Fig. 6.



Inventor:  
Winfred Ludge Brooks  
By Wm. C. Lamb Atty.

# UNITED STATES PATENT OFFICE.

WINFRED MUDGE BROOKS, OF EAST ORANGE, NEW JERSEY, ASSIGNOR TO E. J. BROOKS & CO., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

## SELF-LOCKING CAR-SEAL.

1,166,657.

Specification of Letters Patent.

Patented Jan. 4, 1916.

Application filed October 29, 1915. Serial No. 58,589.

*To all whom it may concern:*

Be it known that I, WINFRED MUDGE BROOKS, a citizen of the United States of America, and a resident of East Orange, in the State of New Jersey, have invented a new and useful Improvement in Self-Locking Car-Seals, of which the following is a specification.

This invention relates to metallic seals adapted to be applied and sealed without tools and to prevent tampering therewith after sealing without detection and to certain novel improvements therein as hereinafter more particularly described and claimed.

One sheet of drawings accompanies this specification as part thereof, in which like reference characters denote like parts throughout.

Figure 1 is a face view of the seal before fastening; Fig. 2 is a face view of the same, sealed; Fig. 3 shows a seal after it has been fastened and tampered with, indicating the breaks; Fig. 4 is a face view of a modified form unsealed; Fig. 5 is an end view of the seal after sealing and Fig. 6 is an end view of the modified form shown in Fig. 4 after sealing.

Referring to the drawings, *a* represents the shackle, *b* a loop catch bent from one end of the shackle in a plane perpendicular thereto and having a relatively small mouth *d* adjacent to the bend from the shackle, *c* represents the other end of the shackle flattened and embossed, *v* represents transverse nicks cut into the face of the shackle and on the inner side of the bend of the loop *b* from the shackle, *b'* shows a modified form of the loop *b* flattened and embossed and *v*<sup>1</sup> and *v*<sup>2</sup> indicate breaks at transverse nicks caused by attempting to bend away from the nicks.

The seal is constructed of wire of any suitable character and cross section, having a main shackle part *a* with a flattened and embossed portion *c* at one end which may be provided with a serial number or other identifying mark and treated with paint or otherwise to bring out the marks in relief. Extending from said flattened portion the

shackle *a* is provided with transverse cut nicks on one face at relatively short distances apart. The other end is bent into a loop catch *b* in a plane perpendicular to that of the shackle said loop having a relatively narrow mouth adjacent to the bend from the shackle. One or more transverse nicks are cut in the inner side of said bend to prevent tampering with the loop.

In operation the shackle is passed through the staples or other fastening means which are to be sealed and then bent at about mid-length, toward the transverse nicks *v* until the part adjacent to the flattened portion *c* snaps into the loop *b* through the narrow mouth *d*. Any attempt to straighten out the shackle or the loop will result in fracturing the seal at either *v*<sup>1</sup> or *v*<sup>2</sup> or both of those points.

The loop catch may be flattened and embossed as shown in Figs. 4 and 6 and serves as a convenient thumb grasp in addition to its function of a catch and guard. Modifications in form and proportions will readily suggest themselves to those skilled in the art.

Having thus fully disclosed my invention, I claim:—

1. A self-fastening seal having in combination a shackle having transverse nicks cut into the face thereof, a flattened and embossed portion adjacent to and integral with one end of said shackle, a loop catch bent from the other end of said shackle adapted to engage the other shackle end and having a transverse nick cut into the inner side of said bend.

2. A self-fastening seal having in combination a shackle having transverse nicks cut in the face thereof, a flattened and embossed portion adjacent to and integral with said shackle at one end, a loop catch bent from the other end of said shackle in a plane perpendicular thereto adapted to engage the other end of the shackle and having a transverse nick cut into the inner side of said bend.

3. A self-fastening seal having in combination a shackle having transverse nicks



cut in the face thereof, a flattened and embossed portion adjacent to and integral with the end of said shackle and a loop catch bent from the other end of said shackle in a  
5 plane perpendicular thereto having a relatively small mouth adjacent the bend from the shackle and a transverse nick cut into

the inner side of said bend, all substantially as hereinbefore set forth.

WINFRED MUDGE BROOKS.

Witnesses:

HELEN M. MUELLEN,  
OLGA E. SIPPOCH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."